

IN THE ABSTRACT

Please delete the abstract and replace it with the following.

--A method for time-division multiplexing including steps of generating a plurality of first signals and a plurality of second signals to which specific pulse trains for frame synchronization are allocated respectively; generating low speed signals of plural channels including the first and second signals and transmission signals; a conversion step; and time-division multiplexing the low speed signals after the conversion step, thereby obtaining high speed signals. When applied to SDH, for example, the first and second signals may be A1 bytes and A2 bytes respectively, and the transmission signals may be payload signals. According to one aspect of the invention, at the conversion step, the first and second signals in each channel are partly converted into either of "1/0" alternating signals and "0/1" alternating signals. Consequently, it becomes possible to reduce the number of successive same code and to diminish the deviation of the mark rate.--